

I CLAIM AS MY INVENTION:

1. A method for digital subtraction angiography comprising the steps of:

providing a 3D volume dataset, obtained from a computed tomography scan
of a body region containing structures without enrichment of the
structures with a contrast agent;

from said 3D volume dataset, calculating a first 2D x-ray image of said body
region without enrichment of said structures with contrast agent;

generating a second 2D image of said body region with contrast agent
enrichment of said structures; and

subtracting said first 2D x-ray image from said second 2D x-ray image.
2. A method as claimed in claim one comprising generating said 3D
dataset by conducting said computed tomography scan of said body region with a
C-arm CT apparatus.
3. A method as claimed in claim one comprising bringing said second 2D
x-ray image into registration with said 3D volume set by digital image processing.